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### 1 [Queue: Volume 6 Issue 1](#)



January 2008

[Queue](#)
**Publisher:** ACM

 Full text available: [Digital Edition](#) , [Pdf](#) (6.04 MB)

 Additional Information: [full citation](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 107, Downloads (12 Months): 468, Citation Count: 0

### 2 [Real-time shading](#)


[Marc Olano](#), [Kurt Akeley](#), [John C. Hart](#), [Wolfgang Heidrich](#), [Michael McCool](#), [Jason L. Mitchell](#), [Randi Rost](#)

August 2004

**SIGGRAPH '04: SIGGRAPH 2004 Course Notes**
**Publisher:** ACM

 Full text available: [Pdf](#) (7.39 MB)

 Additional Information: [full citation](#), [abstract](#), [cited by](#)
**Bibliometrics:** Downloads (6 Weeks): 81, Downloads (12 Months): 748, Citation Count: 1

Real-time procedural shading was once seen as a distant dream. When the first version of this course was offered four years ago, real-time shading was possible, but only with one-of-a-kind hardware or by combining the effects of tens to hundreds of rendering ...

### 3 [Isolation-only transactions by typing and versioning](#)


[Paweł T. Wojciechowski](#)

July 2005

**PPDP '05: Proceedings of the 7th ACM SIGPLAN international conference on Principles and practice of declarative programming**
**Publisher:** ACM

 Full text available: [Pdf](#) (248.04 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 33, Citation Count: 1

In this paper we design a language and runtime support for isolation-only, multithreaded transactions (called tasks). Tasks allow isolation to be *declared* instead of having to be encoded using the low-level synchronization constructs. The key ...


**Keywords:** abstract types, concurrency, declarative synchronization, isolation, lambda calculus, programming languages, singleton kinds, transactions, type theory

4 Hardware transactional memory support for lightweight dynamic language evolution

 Nicholas Riley, [Craig Zilles](#)

October 2006 **OOPSLA '06:** Companion to the 21st ACM SIGPLAN symposium on Object-oriented programming systems, languages, and applications

**Publisher:** ACM

Full text available:  Pdf (325.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 67, Citation Count: 0

Lightweight dynamic language runtimes have become popular in part because they simply integrate with a wide range of native code libraries and embedding applications. However, further development of these runtimes in the areas of concurrency, efficiency ...

**Keywords:** Python, concurrency, dynamic languages, locking, safety, transactional memory

5 Understanding the law: a method for legal knowledge dissemination

 Laurens Mommers, [Wouter Koelewijn](#), [Hugo Kielman](#)

June 2007 **ICAIL '07:** Proceedings of the 11th international conference on Artificial intelligence and law

**Publisher:** ACM

Full text available:  Pdf (389.48 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 79, Citation Count: 0

Considerable attention has been given to the (on-line) accessibility of legal documents, such as legislation and case law, both in legal information retrieval (query formulation, search algorithms) and in legal information dissemination practice (numerous ...



**Keywords:** accessibility of legal information, understandability of legal information

6 Wide-coverage semantic representations from a CCG parser

[Johan Bos](#), [Stephen Clark](#), [Mark Steedman](#), [James R. Curran](#), [Julia Hockenmaier](#)

August 2004 **COLING '04: Proceedings of the 20th international conference on Computational Linguistics**

**Publisher:** Association for Computational Linguistics

Full text available:  [Publisher Site](#) ,  Pdf (100.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 25, Citation Count: 5


This paper shows how to construct semantic representations from the derivations produced by a wide-coverage CCG parser. Unlike the dependency structures returned by the parser itself, these can be used directly for semantic interpretation. We demonstrate ...

7 Identifying semantic roles using Combinatory Categorical Grammar

[Daniel Gildea](#), [Julia Hockenmaier](#)

July 2003 **Proceedings of the 2003 conference on Empirical methods in natural language processing - Volume 10** , Volume 10

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (116.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 14, Citation Count: 10


We present a system for automatically identifying PropBank-style semantic roles based on the output of a statistical parser for Combinatory Categorical Grammar. This system performs at least as well as a system based on a traditional Treebank parser, ...

8 Acquisition of lexical paraphrases from texts

[Kazuhide Yamamoto](#)

August 2002 **COLING-02 on COMPUTERM 2002: second international workshop on computational terminology - Volume 14** , Volume 14

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (151.07 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 16, Citation Count: 0

Automatic acquisition of paraphrase knowledge for content words is proposed. Using only a non-parallel text corpus, we compute the para-phrasability metrics between two words from their similarity in context. We then filter words such as proper nouns ...

9 [A compact factored representation of heterogeneous subsurface scattering](#)



[Pieter Peers](#), [Karl vom Berge](#), [Wojciech Matusik](#), [Ravi Ramamoorthi](#), [Jason Lawrence](#), [Szymon Rusinkiewicz](#), [Philip Dutré](#)

July 2006 **SIGGRAPH '06: SIGGRAPH 2006 Papers**

**Publisher:** ACM

Additional Information: [full citation](#),

Full text available: [Mov](#) (17:25 MIN), [Pdf](#) (353.68 KB)

[abstract](#),  
[references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 125, Citation Count: 8

Many translucent materials exhibit heterogeneous subsurface scattering, which arises from complex internal structures. The acquisition and representation of these scattering functions is a complex problem that has been only partially addressed in previous ...

**Keywords:** image-based acquisition, non-negative matrix factorization, subsurface scattering

Also published in:

July 2006 **Transactions on Graphics (TOG)** Volume 25 Issue 3

10 [Pronunciation by analogy in normal and impaired readers](#)

[R. I. Damper](#), [Y. Marchand](#)

September 2000 **Proceedings of the 2nd workshop on Learning language in logic and the 4th conference on Computational natural language learning - Volume 7**, Volume 7

**Publisher:** Association for Computational Linguistics

Full text available: [Pdf](#) (597.37 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 41, Citation Count: 0

The prevailing dual-route model of oral reading claims that a lexical route is used for the pronunciation of words and a non-lexical route processes nonwords. Neurological data from patients with acquired dyslexias have been high-lighted to support this ...

11 [Pixar's RenderMan](#)



December 2008 **SIGGRAPH Asia '08: SIGGRAPH ASIA 2008 courses**

**Publisher:** ACM

Full text available: [Pdf](#) (7.58 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 14, Citation Count: 0

Pixar's RenderMan is the dominant rendering technology used throughout the feature film industry. For many years the only publication available to CG artists who wished to learn how to use Renderman was "The RenderMan Companion" by Steve Upstill. Even ...

## 12 Web-based knowledge database construction method for supporting design



November 2008 **iiWAS '08: Proceedings of the 10th International Conference on Information Integration and Web-based Applications & Services**

**Publisher:** ACM

Full text available: Pdf (136.43 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 6, Citation Count: 0

Recently, designers have been required solving comprehensive problem becoming greater and more complicated. In relation to this background, we have proposed Universal Abduction Studio (UAS); a computer environment that synthetically supports creative ...

**Keywords:** analogy, creative design, knowledge extraction, ontology

## 13 Charles W. Bachman interview: September 25-26, 2004; Tucson, Arizona



Thomas Haigh

January 2006 Oral History interviews

**Publisher:** ACM

Full text available: Pdf (974.87 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 71, Downloads (12 Months): 555, Citation Count: 0

Charles W. Bachman reviews his career. Born during 1924 in Kansas, Bachman attended high school in East Lansing, Michigan before joining the Army Anti Aircraft Artillery Corp, with which he spent two years in the Southwest Pacific Theater, during ...

## 14 Appearance-based video clustering in 2D locality preserving projection subspace



Li-Qun Xu, Bin Luo

July 2007 **CIVR '07: Proceedings of the 6th ACM international conference on Image and video retrieval**

**Publisher:** ACM

Full text available: Pdf (546.53 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 84, Citation Count: 1

In this paper we introduce an effective and unified approach to creating quality video abstractions. The research was motivated by a recently developed subspace learning method called 2D-LPP, or two-dimensional Locality Preserving Projection, which proved ...

**Keywords:** 2D-PCA, 2D-locality preserving projection, data clustering, home video analysis, video browsing, vido abstraction

**15** A collaborative constraint-based meta-level recommender



Markus Zanker

October 2008 **RecSys '08:** Proceedings of the 2008 ACM conference on Recommender systems

**Publisher:** ACM

Full text available: Pdf (298.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 37, Downloads (12 Months): 93, Citation Count: 0

Recommender Systems (RS) have become popular for their ability to make useful suggestions to online shoppers. Knowledge-based RS represent one branch of these types of applications that employ means-end knowledge to map abstract user requirements to ...

**Keywords:** collaborative filtering, hybrid recommendation approaches, knowledge-based recommendation

**16** A new solid subdivision scheme based on box splines



Yu-Sung Chang, Kevin T. McDonnell, Hong Qin

June 2002 **SMA '02:** Proceedings of the seventh ACM symposium on Solid modeling and applications

**Publisher:** ACM

Full text available: Pdf (1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 36, Citation Count: 3

During the past twenty years, much research has been undertaken to study surface representations based on B-splines and box splines. In contrast, volumetric splines have received much less attention as an effective and powerful solid modeling tool. In ...

**Keywords:** blends, sweeps, offsets & deformations, geometric and topological representations, multi resolution models, representation conversion, reverse engineering, user interaction techniques

## 17 From text to images through meanings



Jayakumar S. Kandhasamy, Ming Xie

September  
2004

**ACE '04:** Proceedings of the 2004 ACM SIGCHI International  
Conference on Advances in computer entertainment technology

**Publisher:** ACM

Full text available: Pdf (381.87  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 46, Citation Count: 0

Natural language is an easy and effective medium to interact with computers by humans and we foresee that it is an effective way to visualize or realize one's imagination by computer. And it makes the complex task of creating 3D scenes or images faster ...

## 18 Learning morpho-lexical probabilities from an untagged corpus with an application to Hebrew

Moshe Levinger, Alon Itai, Uzzi Ornan

September  
1995

**Computational Linguistics** , Volume 21 Issue 3

**Publisher:** MIT Press

Full text available: Publisher Site , Pdf (1.38  
MB)

Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 12, Citation Count: 7

This paper proposes a new approach for acquiring morpho-lexical probabilities from an untagged corpus. This approach demonstrates a way to extract very useful and nontrivial information from an untagged corpus, which otherwise would require laborious ...

## 19 Translating between itanium and sparc memory consistency models



Lisa Higham, LillAnne Jackson

July  
2006

**SPAA '06:** Proceedings of the eighteenth annual ACM symposium on  
Parallelism in algorithms and architectures

**Publisher:** ACM

Full text available: Pdf (258.74  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index  
terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 45, Citation Count: 1

Our general goal is to port programs from one multiprocessor architecture to another, while ensuring that each program's semantics remains unchanged. This paper addresses a subset of the problem by determining the relationships between memory consistency ...

**Keywords:** itanium, memory consistency models, multiprocessors, program transformations, sparc

## 20 [WordsEye: an automatic text-to-scene conversion system](#)



[Bob Coyne](#), [Richard Sproat](#)

August  
2001

**SIGGRAPH '01:** Proceedings of the 28th annual conference on  
Computer graphics and interactive techniques

**Publisher:** ACM

Full text available: Pdf (4.55  
MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 77, Citation Count: 21

Natural language is an easy and effective medium for describing visual ideas and mental images. Thus, we foresee the emergence of language-based 3D scene generation systems to let ordinary users quickly create 3D scenes without having to learn special ...

**Keywords:** HCI, applications, multimedia, scene generation, text-to-scene conversion

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